

Rec'd PCT/PCT 11 JAN 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 January 2004 (22.01.2004)

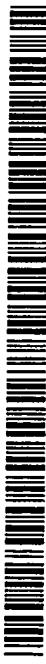
PCT

(10) International Publication Number
WO 2004/006983 A3

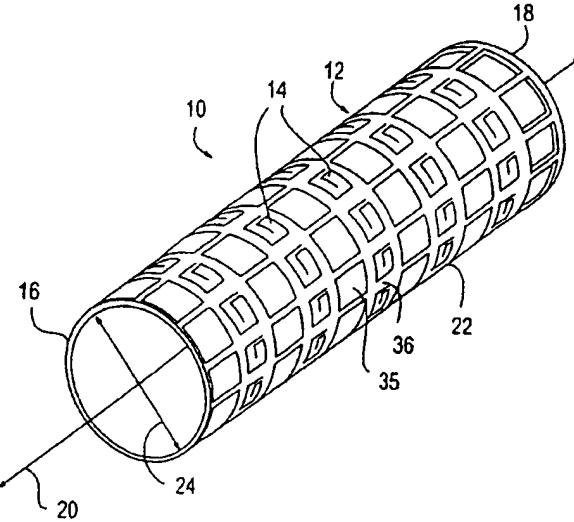
(51) International Patent Classification⁷: A61F 2/06
(21) International Application Number: PCT/US2003/021754
(22) International Filing Date: 11 July 2003 (11.07.2003)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
60/395,180 11 July 2002 (11.07.2002) US
60/421,404 24 October 2002 (24.10.2002) US
(71) Applicants (for all designated States except US): UNIVERSITY OF VIRGINIA PATENT FOUNDATION [US/US]; 1224 West Main Street, Suite 1-110, Charlottesville, VA 22903 (US). SETAGON, INC. [US/US]; 2020 Avon Court, Suite 7, Charlottesville, VA 22902 (US).
(72) Inventors; and
(75) Inventors/Applicants (for US only): LYE, Whye-Kei [SG/US]; 1060 Ramblewood Place, Charlottesville, VA 22901 (US). REED, Michael, L. [US/US]; 2181 Whippoorwill Road, Charlottesville, VA 22901 (US). LOOI, Karen [SG/US]; 1060 Ramblewood Place, Charlottesville, VA 22901 (US).
(74) Agents: THOMPSON, Lynn, M. et al.; Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834 (US).
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: EXPANDABLE BODY HAVING DEPLOYABLE MICROSTRUCTURES AND RELATED METHODS



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(57) Abstract: Apparatuses, systems and methods for treating a patient by positioning an expandable body (10) having one or more microstructures (14) within a body lumen and penetrating the lumen wall with the microstructures (14). The microstructures are formed in or attached to the lumen through a catheter or other suitable device. Each microstructure (14) has an end (16) which is attached to the expandable body and a free end (18). Once the apparatus is positioned within the body lumen in a desired location one or more of the microstructures are deployed wherein the free ends project radially outwardly. The free ends of the deployed microstructures penetrate the lumen wall by continued expansion of the body. Additionally, a therapeutic agent may be delivered to the lumen wall by the penetrated microstructures.